

Datasheet for ABIN7563188

GPM6A Protein (AA 1-278) (His tag)



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Overview

Quantity:	1 mg
Target:	GPM6A
Protein Characteristics:	AA 1-278
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPM6A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gpm6a Protein expressed in mammalien cells.
Sequence:	<p>MEENMEEGQT QKGCFECCIK CLGGIPYASL IATILLYAGV ALFCGCGHEA LSGTVNILQT</p> <p>YFELARTAGD TLDVFTMIDI FKYVIYGIAA AFFVYGILLM VEGFFTTGAI KDLYGDFKIT</p> <p>TCGRCSVSAWF IMLTYLFMLA WLGVTAFSTL PVYMYFNVWT ICRNTTLVEG ANLCLDLRQF</p> <p>GIVTIGEEKK ICTASENFLR MCESTELNMT FHLFIVALAG AGAAVIAMVH YLMVLSANWA</p> <p>YVKDACRMQK YEDIKSKEEQ ELHDIHSTRS KERLNAYT Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	GPM6A
Alternative Name:	Gpm6a (GPM6A Products)
Background:	Neuronal membrane glycoprotein M6-a (M6a),FUNCTION: Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. Gpm6a-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. Conflictingly, PubMed:22162747 reports that induced cellular protrusions are simple membrane-wrapped tubules without actin or tubulin-based cytoskeletons and with Gpm6a gliding along membrane edges indicative for a function in actin-independent membrane deformation. May be involved in neuronal NGF-dependent Ca(2+) influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs), enhances internalization and recycling of mu-type opioid receptor. {ECO:0000269 PubMed:18522499, ECO:0000269 PubMed:18776950, ECO:0000269 PubMed:22162747}.
Molecular Weight:	31.1 kDa
UniProt:	P35802

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months